Appl. No. 10/765,808 Amdt. Dated 10/02/2009 Response to Office Action of 06/03/2009

Attorney Docket No.: N1085-00256 [TSMC2003-0899]

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

- 1 1. (Currently Amended) A plasma etching apparatus comprising a chuck adapted to
- 2 retain a substrate thereover and hardware that is formed of a material that includes
- 3 oxygen impregnated therein such that said oxygen is released when an etching
- 4 operation is carried out, wherein said hardware comprises a focus ring maintained at a
- 5 temperature less than a temperature of said substrate while an etching operation is
- 6 carried out upon said substrate, and at least only a single portion of said focus ring
- 7 extending inwardly past a peripheral edge of said chuck, said single portion extending
- 8 substantially continuously extends directly underneath a peripheral portion of said chuck
- 9 that extends directly underneath a peripheral portion of said substrate.
- 1 2. (Previously Presented). The plasma etching apparatus as in claim 1, wherein
- 2 said chuck is substantially circular and said focus ring peripherally surrounds said
- 3 chuck.
- 1 3. (Currently Amended) The plasma etching apparatus as in claim 2, wherein said
- 2 focus ring comprises a lower focus ring and further comprising an upper focus ring, at
- 3 least a portion of said lower focus ring substantially continuously extending below a
- 4 peripheral portion of said chuck.
- 1 4. (Original) The plasma etching apparatus as in claim 1, wherein said chuck
- 2 comprises an electrostatic chuck.
- 1 5. (Original) The plasma etching apparatus as in claim 1, wherein said hardware
- 2 comprises a focus ring composed primarily of quartz.

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- 1 6. (Original) The plasma etching apparatus as in claim 1, wherein said hardware
- 2 comprises a focus ring formed of a ceramic.
- 1 7-9. (Cancelled).
- 1 10. (Currently Amended) The plasma etching apparatus as in claim [[9]] 1, wherein
- 2 said chuck comprises an electrostatic chuck and said substrate comprises a
- 3 semiconductor substrate.
- 1 11 (Currently Amended) The plasma etching apparatus as in claim [[9]] 1, wherein
- 2 said chuck comprises an electrostatic chuck and said focus ring maintains contact with
- 3 said electrostatic chuck and said electrostatic chuck is cooled during said etching
- 4 operation.
- 1 12. (Currently Amended) The plasma etching apparatus as in claim 11, wherein said
- 2 focus ring is disposed peripherally around said substrate and includes a said single
- 3 portion that rests on an annular landing section of said electrostatic chuck.
- 1 13-30. (Cancelled)
- 1 31. (Currently Amended) The plasma etching apparatus as in claim [[30]] 1, wherein
- 2 said chuck comprises an electrostatic chuck.
- 1 32. (Currently Amended) The plasma etching apparatus as in claim [[31]] 1, wherein
- 2 said chuck is disposed within an etching chamber and further comprising said etching
- 3 chamber containing therein further hardware formed of said material that includes
- 4 oxygen-impregnated material therein.
- 1 33. (Cancelled)